



1600

RAW SEQUENCE LISTING

DATE: 08/18/2003

PATENT APPLICATION: US/09/854,562

TIME: 17:10:04

Input Set : N:\Crf3\RULE60\09854562.raw

Output Set: N:\CRF4\08182003\I854562.raw

1 <110> APPLICANT: OH, BOUNG-JUN
 2 KO, MOON KYUNG
 3 SHIN, BYONGCHUL
 4 CHUNG, CHANG HO
 5 <120> TITLE OF INVENTION: SMALL AND CYSTEINE RICH ANTIFUNGAL DEFENSIN AND
 6 THIONIN-LIKE PROTEIN GENES HIGHLY EXPRESSED IN THE
 7 INCOMPATIBLE INTERACTION
 8 <130> FILE REFERENCE: 1942/44
 9 <140> CURRENT APPLICATION NUMBER: 09/854,562
 10 <141> CURRENT FILING DATE: 2001-05-15
 11 <150> PRIOR APPLICATION NUMBER: US/09/442,631
 12 <151> PRIOR FILING DATE: 1999-11-18
 13 <160> NUMBER OF SEQ ID NOS: 4
 14 <170> SOFTWARE: PatentIn Ver. 2.0
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 506
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Capsicum annuum
 20 <400> SEQUENCE: 1
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 22 tttgttgctt atggggtgca aggcaaggaa atttgctgta aagagctcac aaaacctgtt 120
 23 aaatgttcta gtgacctct atgtcaaaaa ctctgtatgg agaaggagaa atatgaagat 180
 24 ggtcattgtt tcacaatcct aagcaagtgc ttatgcatga agagatgtaa tgctaaaact 240
 25 ctcgcaacag aattgcttgc ttgaagaaga gttcctcaag cagtaattaa gtttgattat 300
 26 ggatttagtg tcacacaaaa ttaaataaag tgttgccctt cttaaaaggg taacttataa 360
 27 tgttgatttc ttggtgtata gtagccattt gacacattaa attaaagttg tgacacatca 420
 28 atccttcattg tatcttctat taagtttgtg tgttttaatg aaaagagatc gtttacggtc 480
 29 taaaaaaaaa aaaaaaaaaa aaaaaa 506
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 83
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Capsicum annuum
 35 <400> SEQUENCE: 2
 36 Met Ala Arg Ser Ile Tyr Phe Met Ala Phe Leu Val Leu Ala Thr Leu.
 37 1 5 10 15
 38 Phe Val Ala Tyr Gly Val Gln Gly Lys Glu Ile Cys Cys Lys Glu Leu
 39 20 25 30
 40 Thr Lys Pro Val Lys Cys Ser Ser Asp Pro Leu Cys Gln Lys Leu Cys
 41 35 40 45
 42 Met Glu Lys Glu Lys Tyr Glu Asp Gly His Cys Phe Thr Ile Leu Ser
 43 50 55 60
 44 Lys Cys Leu Cys Met Lys Arg Cys Asn Ala Lys Thr Leu Ala Thr Glu
 45 65 70 75 80

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46      Leu Leu Ala
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 225
50 <212> TYPE: DNA
51 <213> ORGANISM: Capsicum annuum
52 <400> SEQUENCE: 3
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54      actgatatga tggcggaggc aaagatctgc gaggcgttga gcggcaactt caaggggttg 120
55      tgccttagta gccgcgattg tggtaatgtt tgccgtagag agggatttac cgatggctct 180
56      tgcattggat tccgtcttca atgcttctgc acgaagccct gtgct                225
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 74
60 <212> TYPE: PRT
61 <213> ORGANISM: Capsicum annuum
62 <400> SEQUENCE: 4
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64      1          5          10          15
65      Val Phe Ala Thr Asp Met Met Ala Glu Ala Lys Ile Cys Glu Ala Leu
66      20          25          30
67      Ser Gly Asn Phe Lys Gly Leu Cys Leu Ser Ser Arg Asp Cys Gly Asn
68      35          40          45
69      Val Cys Arg Arg Glu Gly Phe Thr Asp Gly Ser Cys Ile Gly Phe Arg
70      50          55          60
71      Leu Gln Cys Phe Cys Thr Lys Pro Cys Ala
72      65          70

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VERIFICATION SUMMARY

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